Title (en)

RANDOM TIME INTERVAL GENERATOR

Title (de)

ZUFALLS-ZEITINTERVALL-GENERATOR

Title (fr)

GENERATEUR D'INTERVALLES DE TEMPS ALEATOIRES

Publication

EP 0939927 A4 20020605 (EN)

Application

EP 97940633 A 19970826

Priority

- US 9715066 W 19970826
- US 74394396 A 19961105

Abstract (en)

[origin: WO9820413A1] A method for generating a random time interval suited for use in defining re-transmission time intervals so as to avoid communication contention utilizes at least one external seed and a plurality of linear maximal sequences. According to one embodiment, a first seed is provided (10) and a plurality of linear maximal sequences is initialized therewith (12). A second seed is generated via cooperation of the first linear maximal sequence and an external signal (14). At least one second linear maximal sequence is initialized with the second seed (16). A new time interval is started when the second linear maximal sequence sequences to a predetermined value (18).

IPC 1-7

G06F 7/00; H03K 3/84; G06F 7/58

IPC 8 full level

G06F 7/58 (2006.01); **G07C 9/00** (2006.01); **H03K 3/84** (2006.01)

CPC (source: EP US)

G06F 7/584 (2013.01 - EP US); **G06F 7/588** (2013.01 - EP US); **G07C 9/28** (2020.01 - EP US); **H03K 3/84** (2013.01 - EP US)

Citation (search report)

- [A] EP 0582083 A1 19940209 - MOTOROLA INC [US]
- [A] US 4839841 A 19890613 - HAGEN MICHAEL S [US], et al
- [A] US 5420928 A 19950530 - AIELLO WILLIAM A [US], et al
- See references of WO 9820413A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

WO 9820413 A1 19980514; DE 69729470 D1 20040715; DE 69729470 T2 20050818; EP 0939927 A1 19990908; EP 0939927 A4 20020605; EP 0939927 B1 20040609; US 5910956 A 19990608

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